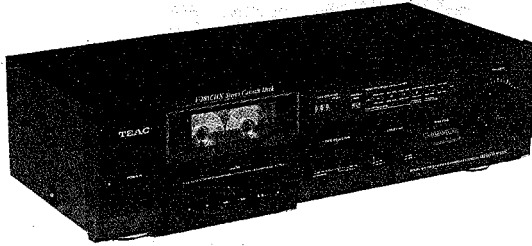


TEAC®




SERVICE MANUAL

V-275C/V-270C/V-255/V-250 V-210C_{MKII}/V-200_{MKII} V-285CHX

Stereo Cassette Deck

CAUTION

△ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the appropriate parts list and ensure exact replacement.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

V-275C/V-270C/V-255/V-250/V-210C_{MK II}/V-200_{MK II}/V-285CHX

1 SPECIFICATIONS AND SERVICE DATA

SPECIFICATIONS

Track System 4-track, 2-channel stereo
2 Heads Erase, record/playback
Type of Tape Cassette tape, C-60 and C-90 (philips type)
Tape Speed 4.8cm/s (1-7/8 ips)
Input (level and impedance)
 LINE IN :Specified input level: -9dB (275 mV)/50kohms
 Min.input level: -19dB (87 mV)
Output (level and load impedance)
 OUTPUT: Spec. output level:
 V-210C_{MK II}, V-270C, V-275C, V-285CHX
 -4.5dB (461mV) 50kohms
 V-200_{MK II}, V-250, V-255
 -3.5dB (518mV) 50kohms
Equalization
 METAL: 3180 μ S+ 70 μ S
 CrO2: 3180 μ S+ 70 μ S
 NORMAL: 3180 μ S+ 120 μ S
Head Configuration
 1/2-track, 1-channel erase head
 1/4-track, 2-channel record/playback head
Motor 1 DC servo motor
Bias Frequency 100kHz
Operation Position Horizontal
Power Requirements
 110/120/220/240 V AC, 50/60Hz (General Export Models)
 120 V AC, 60Hz (U.S.A/Canada)
 220 V AC, 50Hz (Europe)
 240 V AC, 50Hz (U.K./Australia)
 100 V AC, 50Hz (JAPAN)
Power Consumption 7W [V-285CHX 8W]
Weight 2.9kg (6-3/8 lbs)
Dimensions (W*H*D)
 435*120*215mm
 (17-1/8"*4-3/4"*8-7/16")

SERVICE DATA

MECHANICAL

Tape Speed Deviation 3,000 Hz +90, -60 Hz
Tape Speed Drift 45 Hz
Wow and Flutter
 Playback: 0.35% (RMS)
Pinch Roller Pressure 250 g to 470 g (8.8oz to 16.5 oz)
Reel Torque
 Take-up: 30 to 60 g-cm (0.42 to 0.83 oz-inch)
 Supply: 1 to 4 g-cm (0.014 to 0.056 oz-inch)
 F.F: 55 to 120g-cm (0.76 to 1.67 oz-inch)
 REW: 55 to 120g-cm (0.76 to 1.67 oz-inch)
Fast Wind Time
 120 sec or less for MIT-5511 (C-60)
Auto End-stop Time 6 sec. or less

ELECTRICAL

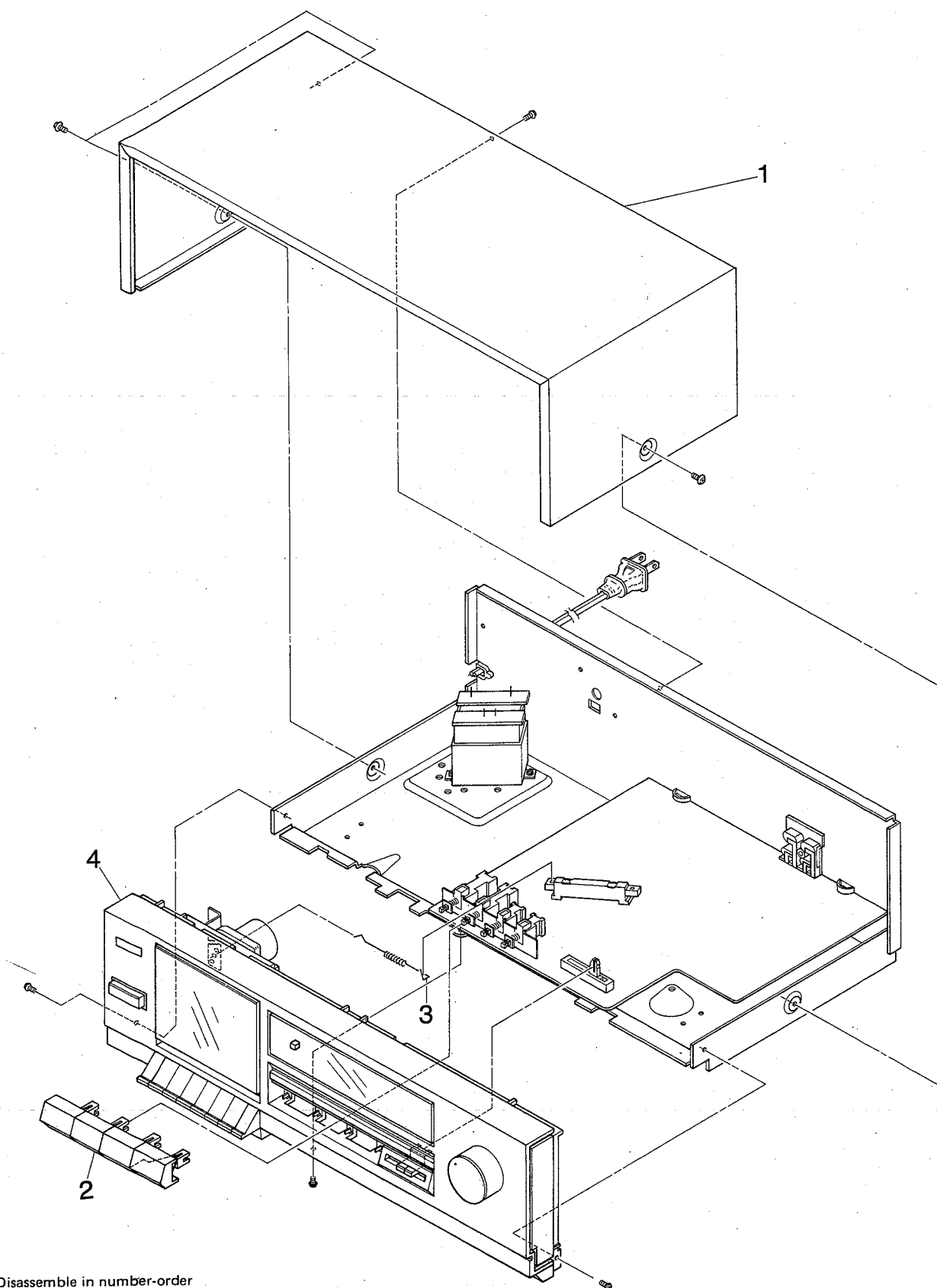
Frequency Response
 See Figs. 5-7 & 5-8
Signal-to-noise Ratio
 Playback: NORMAL: 46 dB min.
 Record/playback:
 METAL, CrO2: 46 dB min.
 NORMAL: 45 dB min.
Erase Efficiency
 65 dB min. at 1kHz (measured with input 10 dB higher
 than the specified input level).
Channel Separation 30 dB min. at 1kHz
Adjacent Track Crosstalk 40 dB min. at 125 Hz
Total Harmonic Distortion 2.0% or less with NORMAL,
 2.5% or less with CrO2, METAL

NOTES:

Improvements may result in SPECIFICATIONS AND SERVICE
DATA changes.
Value of "dB" in the data refers to 0 dB (0.775 V),
expect where Specified.

V-275C/V-270C/V-255/V-250/V-210C_{МК II}/V-200_{МК II}/V-285CHX

2 CASE AND FRONT PANEL REMOVAL



Disassemble in number-order

V-275C/V-270C/V-255/V-250/V-210C_{mkII}/V-200_{mkII}/V-285CHX

3 PARTS LOCATION

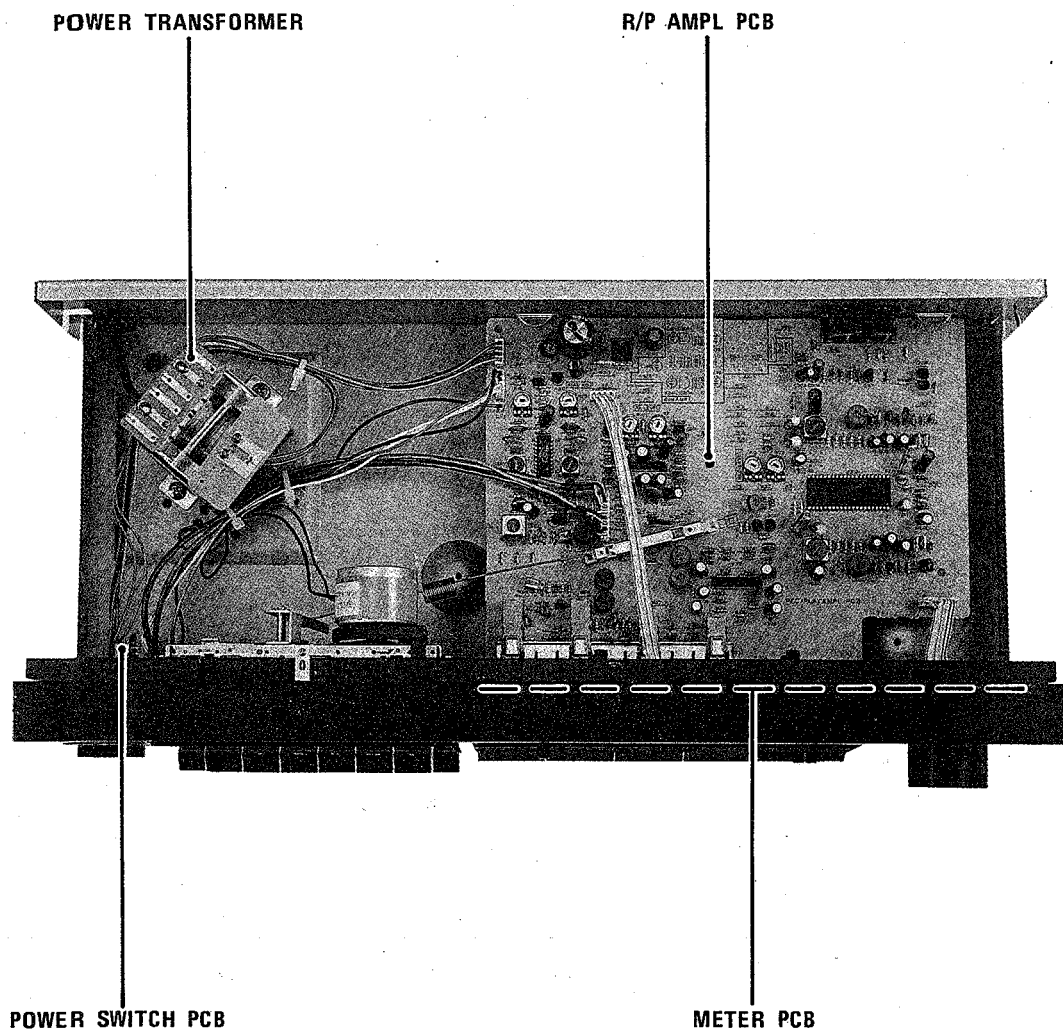


Fig. 3-1 Top view (V-285CHX)

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

4 MECHANICAL ADJUSTMENT AND CHECKS

4-1 WOW AND FLUTTER (PLAYBACK METHOD)

Note: These measurements should be made at the beginning, middle, and the end of the tape.

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 4-1.
2. Load and play a TEAC MTT-111 test tape.
3. Check that the readings on the wow-and-flutter meter are as follows.

Specifications: 0.35% RMS

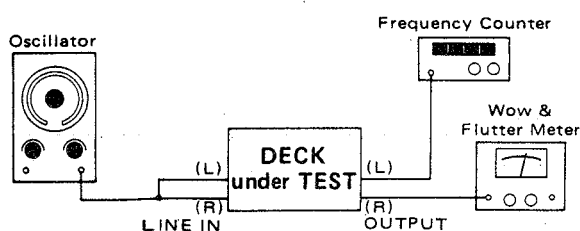


Fig. 4-1

4-2 TAPE SPEED

1. Connect a frequency counter to the deck as shown in Fig. 4-1.
2. Playing the mid portion of an MTT-111 test tape adjust the semi-fixed resistor on capstan motor so that tape speed becomes 3,000 Hz \pm 5 Hz. An insulated and non-metallic flat-head screwdriver should be used for this adjustment.
3. In play mode, check that the following values are obtained at the beginning and at the end of the tape.
Deviation: 3,000 Hz \pm 30 Hz
Width of deviation: Within 45 Hz

4-3 REEL TORQUE

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values:

Specifications:

Take-up:

30 to 60 g-cm (0.42 to 0.83 oz-inch)

Supply:

1 to 4 g-cm (0.014 to 0.056 oz-inch)

F.F:

55 to 120 g-cm (0.76 to 1.67 oz-inch)

REW:

55 to 120 g-cm (0.76 to 1.67 oz-inch)

4-4 LUBRICATION

Lubrication is only required when parts are replaced. For this purpose, use the oil specified below.

oil: TEAC spindle oil (from TEAC TZ-255 oil kit),

Mobil D.T.E. oil Light, or equivalent

1. Apply a drop of oil with an oil applicator to a point about 1/3 the way down the shaft (from the free end) of flywheel, then insert the shaft into the capstan housing.

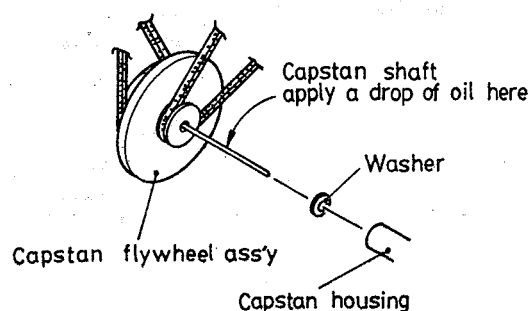


Fig. 4-2

4-5 VOLTAGE CONVERSION (General Export Models only)

1. ALWAYS DISCONNECT THE POWER LINE CORD BEFORE MAKING THESE ADJUSTMENTS!
2. Locate the voltage selector on the rear panel.
3. Using a regular screwdriver, turn the selector until the numerals corresponding to the voltage requirements of your area appear.

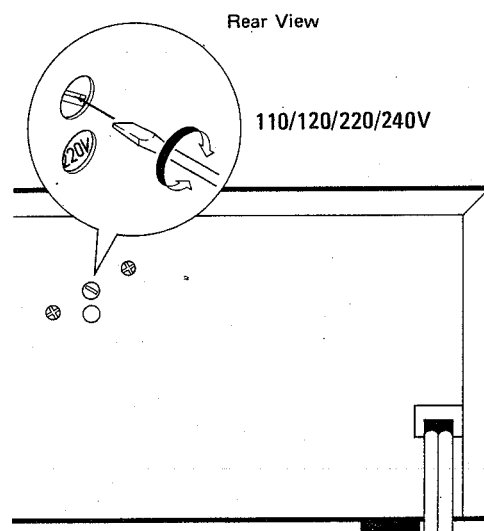


Fig. 4-3

5 ELECTRICAL ADJUSTMENT AND CHECKS

5-1 PRECAUTIONS

1. Before performing adjustments and checks clean and de-magnetize the entire tape path.
2. Make sure the deck is properly set for the voltage in your locality.
3. In general, adjustments and checks are made in the order of L-ch then R-ch. Double REF. Nos. indicate L-ch/R-ch. (Example: R11/R21)
4. 0 dB is referenced to 0.775 V. If an AC voltmeter that references 0 dB to 1 V is used, appropriate compensation should be made.
5. The AC voltmeter used in the procedures must have an input impedance of 1 M-ohms or more.
6. Note the "Deck settings" at the top of each chart. The settings apply to all check for a specific chart unless explicitly stated otherwise.
7. Input terminals and measuring points at each step are the same as previous step, otherwise specified.

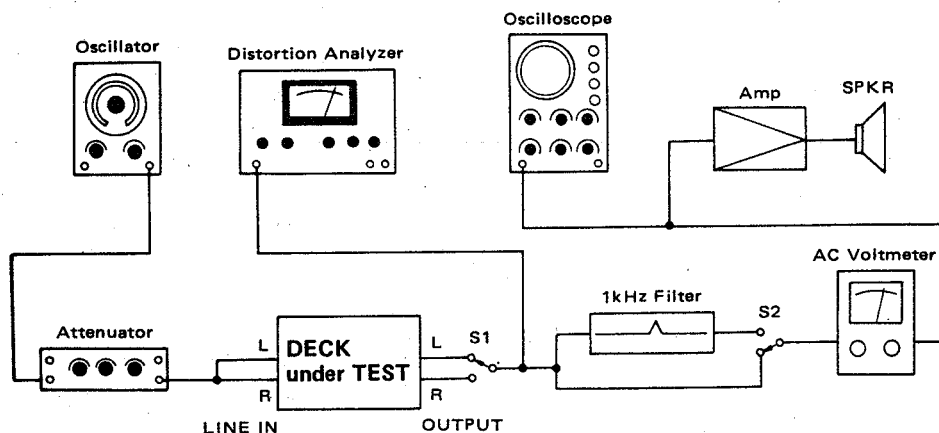


Fig. 5-1 Basic test setup

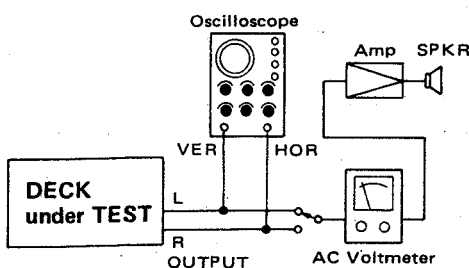


Fig. 5-2 Test setup for azimuth check

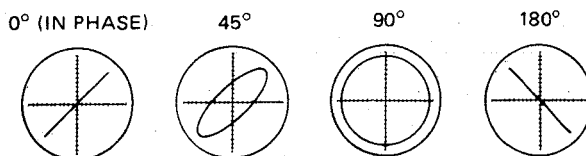


Fig. 5-3 Confirming phase relationship

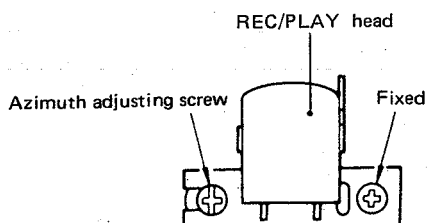


Fig. 5-4 Azimuth screw location

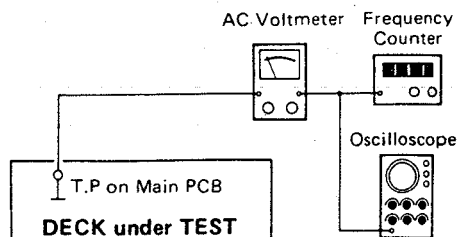
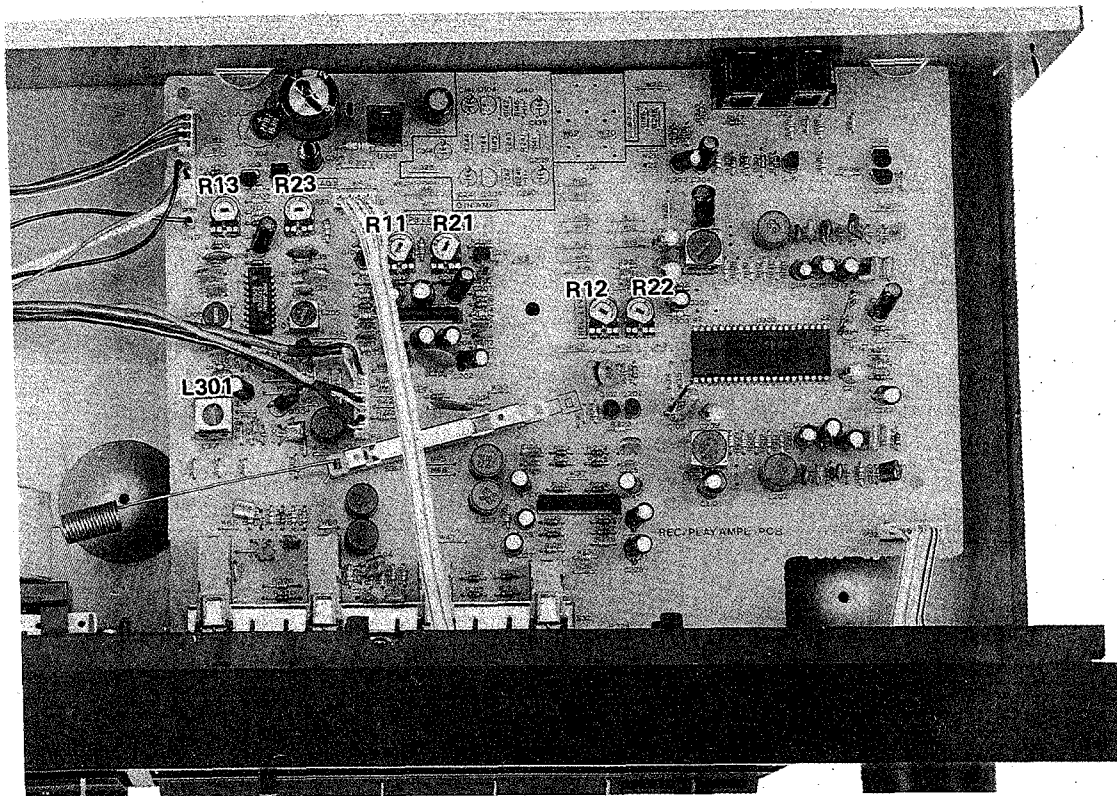


Fig. 5-5 Test setup for bias adjustment

V-275C/V-270C/V-255/V-250/V-210C_{MK II}/V-200_{MK II}/V-285CHX

5-2 ADJUSTMENT LOCATIONS



Function		Adjustments	Test Point (Measuring Point)
Specified output level		R11/R21	T.P L/R (DOLBY)
Bias OSC		L301	Bias T.P (Both side of R101)
Record Bias	NORMAL	R13/R23	OUTPUT Terminals
Record level	NORMAL	R12/R22	OUTPUT Terminals
REL/PLAY Frequency Response		Check	OUTPUT Terminals

Fig. 5-6

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

5-3 PLAYBACK PERFORMANCE

Deck settings:
NR SYSTEM sw: OUT

TEAC test tapes:

MTT-150C: For Dolby level calibration

MTT-256: For playback frequency response
check for NORMAL

MTT-356: For METAL and CrO2


MTT-5511: For S/N check for NORMAL

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
1. REC/PLAY head azimuth	Connection: Fig. 5-2	MTT-150C	CHECK	OUTPUT: Phase: within 45°	Refer to Fig. 5-3
		MTT-256 (10 kHz)	Azimuth screws or R-P head (Fig. 5-4)	Phase between L-ch /R-ch: 0° Max. output at L-ch & R-ch	
2. Specified output level	Connection: Fig. 5-1	MTT-150C	R11/R21	V-210C _{MKII} , V-270C/ V-275C, V-285CHX: T.P. (DOBL) 245mV (-10dB) V-200 _{MKII} , V-250 V-255: T.P. (DOBL) 548mV (-3dB)	See page 8.
			Check	OUTPUT: V-210C _{MKII} , V-270C, V-275C, V-285CHX: -4.5 dB \pm 1 dB (411 to 518 mV) V-200 _{MKII} , V-250 V-255 : -3.5 dB \pm 1 dB (462 to 581mV)	
3. Playback frequency response	NORMAL	MTT-256	Check	OUTPUT: Fig. 5-7	
	CrO2	MTT-356	Check		
4. Playback S/N ratio	Tape sw: NORMAL Play mode	MTT-5511 (Playing a leader tape)	Check	45 dB min.	Ratio of spec. output level V-210C _{MKII} , V-270C, V-275C, V-285CHX: -4.5 dB V-200 _{MKII} , V-250 V-255 : -3.5 dB to noise

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

5-4 MONITOR PERFORMANCE

Deck settings:
RECORD-PAUSE mode
NR SYSTEM sw: OUT

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
5. Specified LINE input level		400 Hz/-9 dB (275mV)	RECORDING LEVEL cont. (L/R)*	OUTPUT: V-210Cmk II, V-270C, V-275C, V-285CHX: -4.5 dB ±1 dB (411 to 518 mV) V-200mk II, V-250 V-255 : -3.5 dB ±1 dB (462 to 581mV)	
				* After adjusting, do not move (Specific position)	

Tape: MTT-256 (NORMAL)

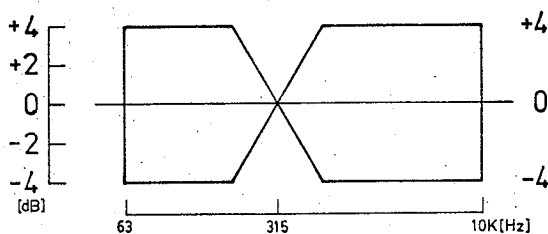


Fig. 5-7 Playback frequency response

Tape: MTT-5511 (NORMAL)

Tape: MTT-5561 (CrO₂)

Tape: MTT-5571 (METAL)

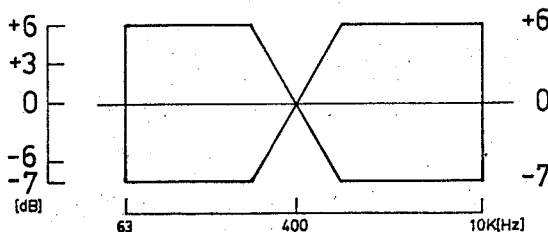


Fig. 5-8 Overall frequency response

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

5-5 RECORDING PERFORMANCE

Deck settings:

NR SYSTEM sw: OUT

RECORD cont. (L/R): Spec. position (item 5)

TEAC recording test tapes

MTT-5571: For METAL

MTT-5561: For CrO₂

MTT-5511: For NORAML

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
6. BIAS osc. frequency	Connection: Fig. 5-5 Tape: MTT-5511 RECORD/PAUSE mode.	no signal	L301	Bias TP (Both side of R101) 100 kHz	Refer to Fig. 5-5
7. Record bias	Connection: Fig. 5-1 Tape: MTT-5511 RECORD/PLAY mode	LINE IN: 400 Hz & 10 kHz Alternately/ -42dB (6.15mV) Record and reproduce them.	R13/R23	OUTPUT: Nearly equal level at both frequencies	Repeat if the result is unsatisfactory
8. BIAS FINE control check	Tape: MTT-5511 BIAS FINE cont: fully "-" position then fully "+" position	10 kHz/-42 dB (6.15mV)	Check	Measure output level (record playback) at "-" position then at "+" position Variation between "-" and "+" positions: 5 dB or more	V-210C _{MKII} , V-270C V-275C, V-285CHX only
9. Record level	Tape: MTT-5511	400 Hz/-12 dB (195mV) Record and reproduce them.	R12/R22	-6.5 dB (367mV)	
	Tape: MTT-5561 Tape: MTT-5571 NR SYSTEM: IN & OUT		Check	-6.5 dB \pm 1.5 dB (308mV ~ 436mV)	
10. Overall frequency response	Tape: MTT-5511 Tape: MTT-5561 Tape: MTT-5571	Required frequencies: -42 dB (6.15mV)	Check	Standard: Fig. 5-8	
11. Overall S/N ratio	Tape: MTT-5571 Tape: MTT-5561 Tape: MTT-5511	1 kHz/-9 dB (275mV) ↓ no signal	Check	OUTPUT: 46 dB min. [METAL, CrO ₂] 45 dB min. [NORMAL]	Ratio of specified output level: V-210C _{MKII} , V-270C V-275C, V-285CHX: -4.5 dB V-200 _{MKII} , V-250 V-255: -3.5 dB to noise

PARTS LIST SECTION

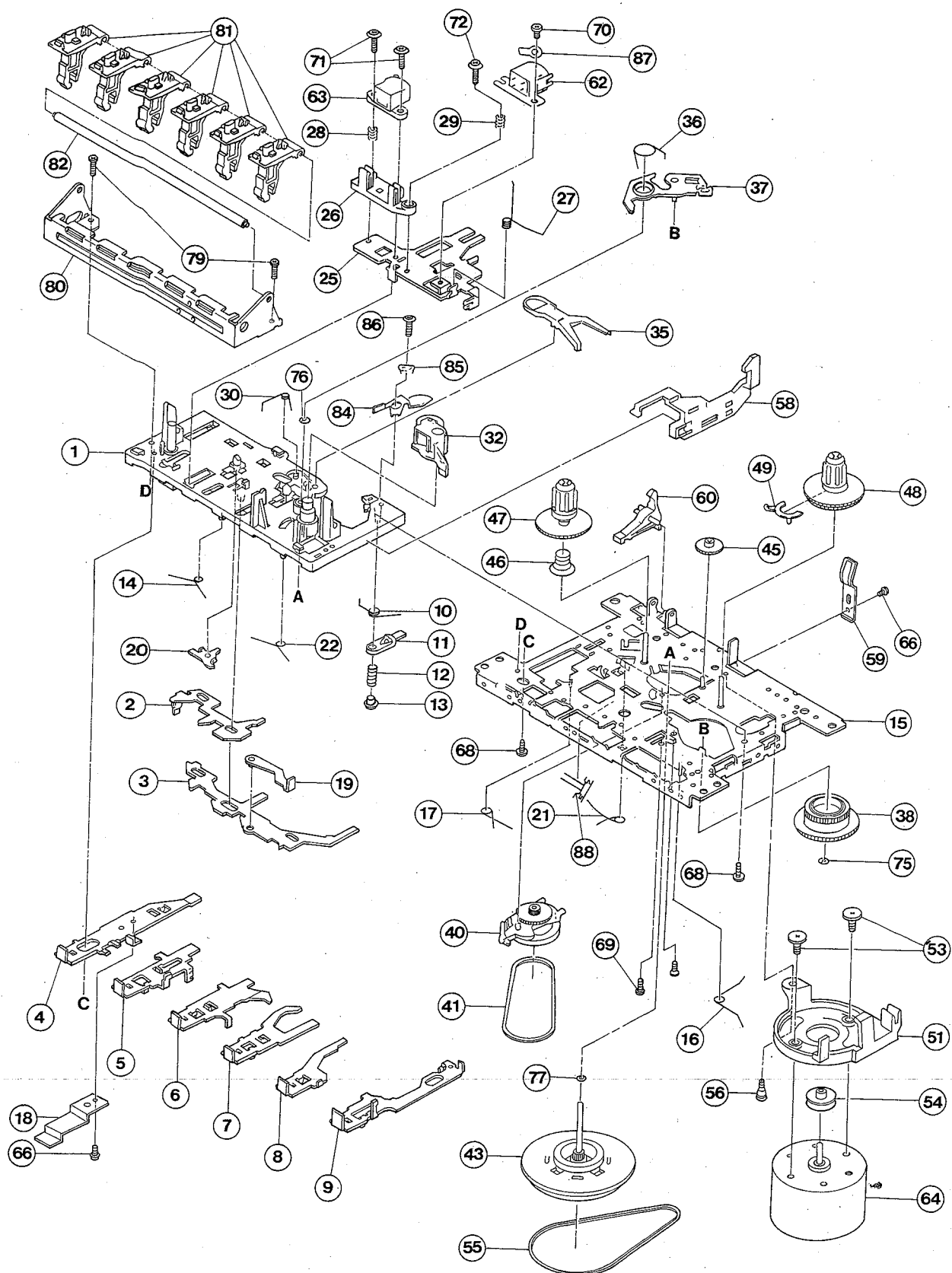
NOTES:

1. As regards the resistors and capacitors, refer to the circuit diagrams and the PCB ass'y drawings included in this brochure.
2. parts marked with \triangle this sign are safety critical components. They must always be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

6 EXPLODED VIEWS AND PARTS LIST

EXPLODED VIEW-1



V-275C/V-270C/V-255/V-250/V-210C_{mkII}/V-200_{mkII}/V-285CHX

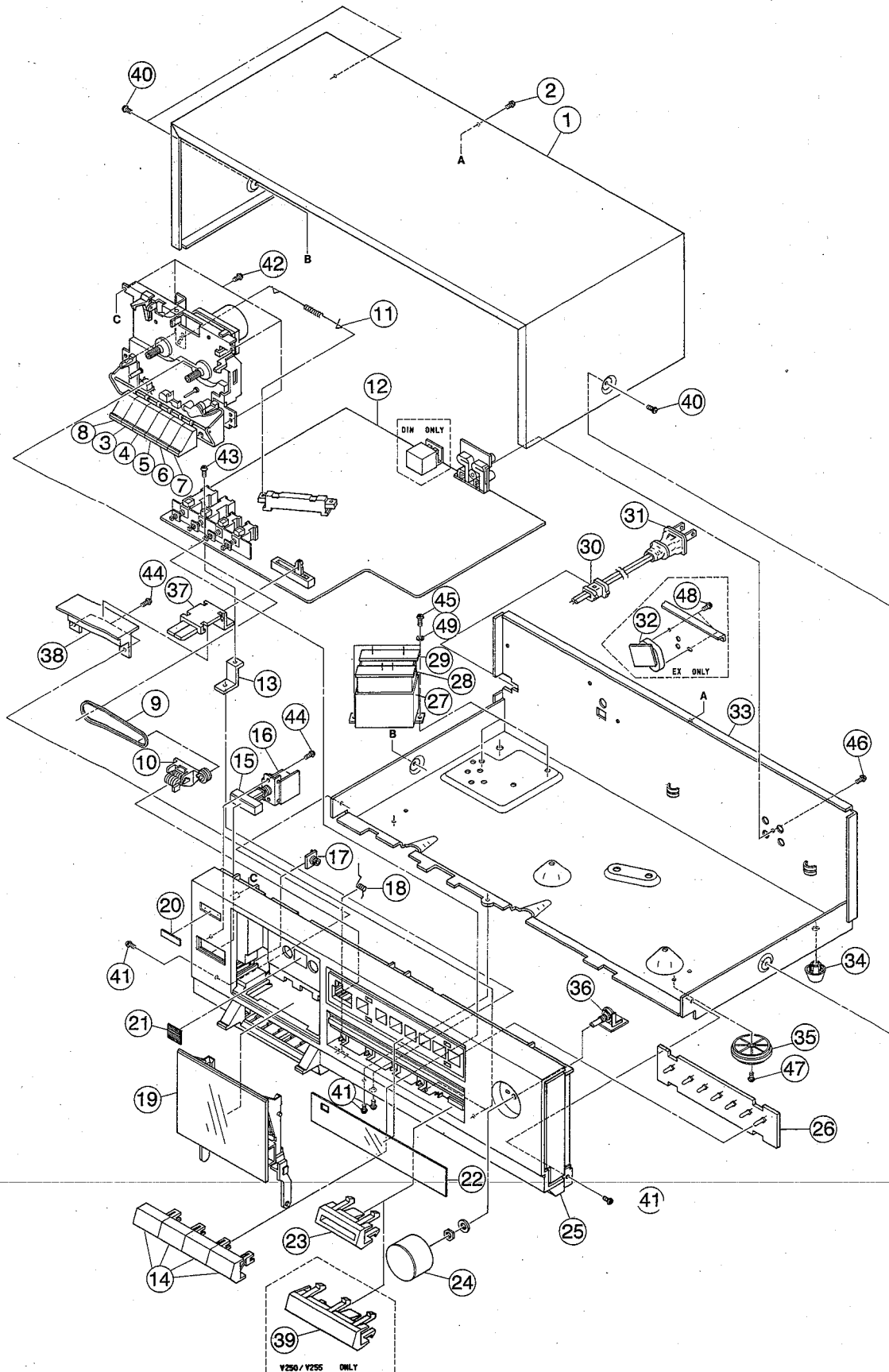
EXPLODED VIEW - 1

REF.NO.	PARTS NO.	DESCRIPTION
1 - 1	9278266000	BASE ASSY
1 - 2	9278266100	SWITCH ACTUATOR
1 - 3	9278266200	PUSH BUTTON ACTUATOR
1 - 4	9278266300	REC BUTTON LEVER
1 - 5	9278266400	PLAY BUTTON LEVER
1 - 6	9278266500	REW BUTTON LEVER
1 - 7	9278266600	FF BUTTON LEVER
1 - 8	9278266700	STOP BUTTON LEVER
1 - 9	9278266800	PAUSE BUTTON LEVER
1 - 10	9278266900	P CONTROL SPRING
1 - 11	9278267000	PAUSE LEVER
1 - 12	9278267100	PAUSE LEVER SPRING
1 - 13	9278267200	PAUSE STOPPER
1 - 14	9278267300	BUTTON LEVER SPRING (A)
1 - 15	9278267400	CHASSIS ASSY
1 - 16	9278267500	E ACTUATOR SPRING
1 - 17	9278267600	P.S. LEVER SPRING
1 - 18	9260080300	REC LEVER
1 - 19	9278267700	E KICK LEVER
1 - 20	9278267800	PR STOPPER
1 - 21	9278267900	REC BUTTON LEVER SPRING
1 - 22	9278268000	BUTTON LEVER SPRING (B)
1 - 25	9278268100	HEAD PANEL
1 - 26	9278268200	HEAD BASE
1 - 27	9278268300	PANEL P SPRING
1 - 28	9278197900	EH SPRING
1 - 29	9278198400	AZIMUTH SPRING
1 - 30	9278268600	M CONTROL SPRING
1 - 32	9278268700	PINCH ROLLER ARM ASSY
1 - 35	9278268800	SENSING LEVER
1 - 36	9278268900	GEAR PLATE SPRING
1 - 37	9278289000	GEAR PLATE ASSY
1 - 38	9278289100	CAM GEAR
1 - 40	9278289200	RF CLUTCH ASSY
1 - 41	9278289300	RF BELT
1 - 43	9278289400	FLYWHEEL ASSY
1 - 45	9278199900	FF GEAR
1 - 46	9278200000	BACK TENSION SPRING
1 - 47	9278289700	SUPPLY REEL ASSY
1 - 48	9278289800	TAKE UP REEL ASSY
1 - 49	9278289900	SENER

REF.NO.	PARTS NO.	DESCRIPTION
1 - 51	9278290000	MOTOR BRACKET
1 - 53	9278290100	MOTOR COLLER SCREW
1 - 54	9278290200	MOTOR PULLEY
1 - 55	9278290300	MAIN BELT
1 - 56	9278290400	MB SCREW
1 - 58	9278290500	EJECT SLIDE LEVER
1 - 59	9278201401	PACK SPRING
1 - 60	9278200300	RECORD SAFETY LEVER
1 - 62	9278211800	R/P HEAD
1 - 63	9278211900	E HEAD
1 - 64	9278212000	MOTOR SHU2L50
1 - 66	9278202000	C TAPPING SCREW M2*8
1 - 68	9278202200	P TAPPING BIND SCREW M2*5
1 - 69	9278291000	TAPPING SCREW M2*4.5
1 - 70	9278251800	BIND SCREW M2*3
1 - 71	9278291200	CAP SCREW M2*8
1 - 72	9278202700	AZIMUTH SCREW M2*7
1 - 75	9278291400	P WASHER CUT 1.2*3.8*0.3
1 - 76	9278291500	P WASHER CUT 1.45*3.8*0.5
1 - 77	9278253200	P WASHER CUT 2*3.5*0.3
1 - 79	9278291700	S TAPPING SCREW M2*8
1 - 80	9278203700	B FRAME (B)
1 - 81	9278203600	OPERATION LEVER
1 - 82	9278292000	BUTTON LEVER SHAFT
1 - 84	9278292100	P ARM
1 - 85	9278292200	P ARM COLLAR
1 - 86	9278292300	PS TAPPING SCREW 2*3.5
1 - 87	9278292400	B3 LUG
1 - 88	9278292500	LEAF SWITCH

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

EXPLODED VIEW-2



V-275C/V-270C/V-255/V-250/V-210C_{MK II}/V-200_{MK II}/V-285CHX

EXPLODED VIEW-2		Parts marked with *require longer delivery time		
REF.NO.	PARTS NO.	DESCRIPTION	MODELS	REMARKS
2 - 1	*9260053001	BONNET		
2 - 2	9783593008	SCREW, C-TITE M3*8 (NI-BLK)		
2 - 3	9260077701	BUTTON, PLAY		
2 - 4	9260082001	BUTTON, REW		
2 - 5	9260082101	BUTTON, FF		
2 - 6	9260082201	BUTTON, STOP		
2 - 7	9260082301	BUTTON, PAUSE		
2 - 8	9260082501	BUTTON, REC		
2 - 9	9260081600	BELT, COUNTER		
2 -10	9260081800	COUNTER		
2 -11	*9260081400	BAR, RECORD		
2 -12	*9145057101	PCB ASSY, R/P [EXCEPT E]	1,2	
	*9145057111	PCB ASSY, R/P [E]	3	
	*9145056101	PCB ASSY, R/P [EXCEPT E]	4,5	
	*9145056111	PCB ASSY, R/P [E]	6	
2 -12	*9145055101	PCB ASSY, R/P [EXCEPT E]	7	
	*9145055111	PCB ASSY, R/P [E]	7	
2 -13	9260077900	BRACKET, PCB		
2 -14	*9260078000	BUTTON D, PUSH		
2 -15	9260081900	BUTTON, POWER		
2 -16	*9145055401	PCB ASSY, POWER		
2 -17	*9260077300	DAMPER		
2 -18	*9260087900	SPRINT, CASE		
2 -19	*9260083000	LOADING CASE	1,3,4,6,7	
2 -20	5720175500	EMBLEM, TEAC		
2 -21	5800822400	REFLECT TAPE		
2 -22	*9260082901	COVER, METER	1,3,4,6	
	*9260088701	COVER, METER	2,5	
	*9260077502	COVER, METER	7	
2 -23	*9260078100	KNOB ESCUTCHEON A	4,5,6,7	
2 -24	*9260080900	VR KNOB A		
2 -25	*9260083101	PANEL, FRONT	1	
	*9260089301	PANEL, FRONT	2	
	*9260082801	PANEL, FRONT	4	
	*9260089401	PANEL, FRONT	5	
	*9260077402	PANEL, FRONT	7	
	*9260089501	PANEL, FRONT	6	
	*9260089601	PANEL, FRONT	3	
2 -26	*9145055200	PCB ASSY, METER		
2 -27	▲9125053000	POWER TRANSFORMER [US]		
	▲9125053200	POWER TRANSFORMER [E][A][UK]		
	▲9125053300	POWER TRANSFORMER [GE]		
	▲9125053501	POWER TRANSFORMER [C]		
	▲9125053800	POWER TRANSFORMER [J]		
2 -28	*9155055900	PCB D, TRANSFORMER		
2 -29	*9155055600	PCB A, TRANSFORMER [GE]		
	*9155055700	PCB B, TRANSFORMER [A][UK]		
	*9155049300	PCB UCJ, TRANSFORMER [US][C][J]		
2 -30	▲9121000100	BUSHING #2271		
2 -31	▲9109025701	CORD, AC [E][GE]		
	▲9109025800	CORD, AC [US]		
	▲9109026000	CORD, AC [A]		
	▲9109025900	CORD, AC [UK]		
	▲9109026100	CORD, AC [J]		
2 -32	9145055500	PCB ASSY, VOLTAGE SELECTOR SW [GE]		

EXPLODED VIEW-2		Parts marked with *require longer delivery time		
REF.NO.	PARTS NO.	DESCRIPTION	MODELS	REMARKS
2 -33		CHASSIS, MAIN [US]	1,2,3,4,5,6	
		CHASSIS, MAIN [E]	1,2,3,4,5,6	
		CHASSIS, MAIN [GE]	1,2,3,4,5,6	
		CHASSIS, MAIN [C][A][UK]	1,2,3,4,5,6	
		CHASSIS, MAIN [US]	7	
		CHASSIS, MAIN [E]	7	
		CHASSIS, MAIN [GE]	7	
		CHASSIS, MAIN [C][A][UK]	7	
2 -34	9260088000	FOOT		
2 -35	9260082400	FOOT ASSY		
2 -36	9145055300	PCB ASSY, REC VR		
2 -37	9260078200	VR KNOB B	4,5,6,7	
2 -38	9260077800	VR RAIL A	4,5,6,7	
2 -39	9260081500	KNOB ESCUTCHEON B	1,2,3	
2 -40	9783053006	SCREW, CAP-S M3*6		
2 -41	9783203006	SCREW, BTT-S M3*6		
2 -42	9783603008	SCREW, BTT-P M3*8		
2 -43	9783103006	SCREW, CAP-S M3*6		
2 -44	9783603008	SCREW, BTT-P M3*8		
2 -45	9783204008	SCREW, BTT-S M4*8		
2 -46	9783603008	SCREW, BTT-P M3*8		
2 -47	9783203008	SCREW, BTT-S M3*8		
2 -48	9783603008	SCREW, BTT-P M3*8		
2 -49	9294005400	WASHER, SPRING		

INCLUDED ACCESSORIES

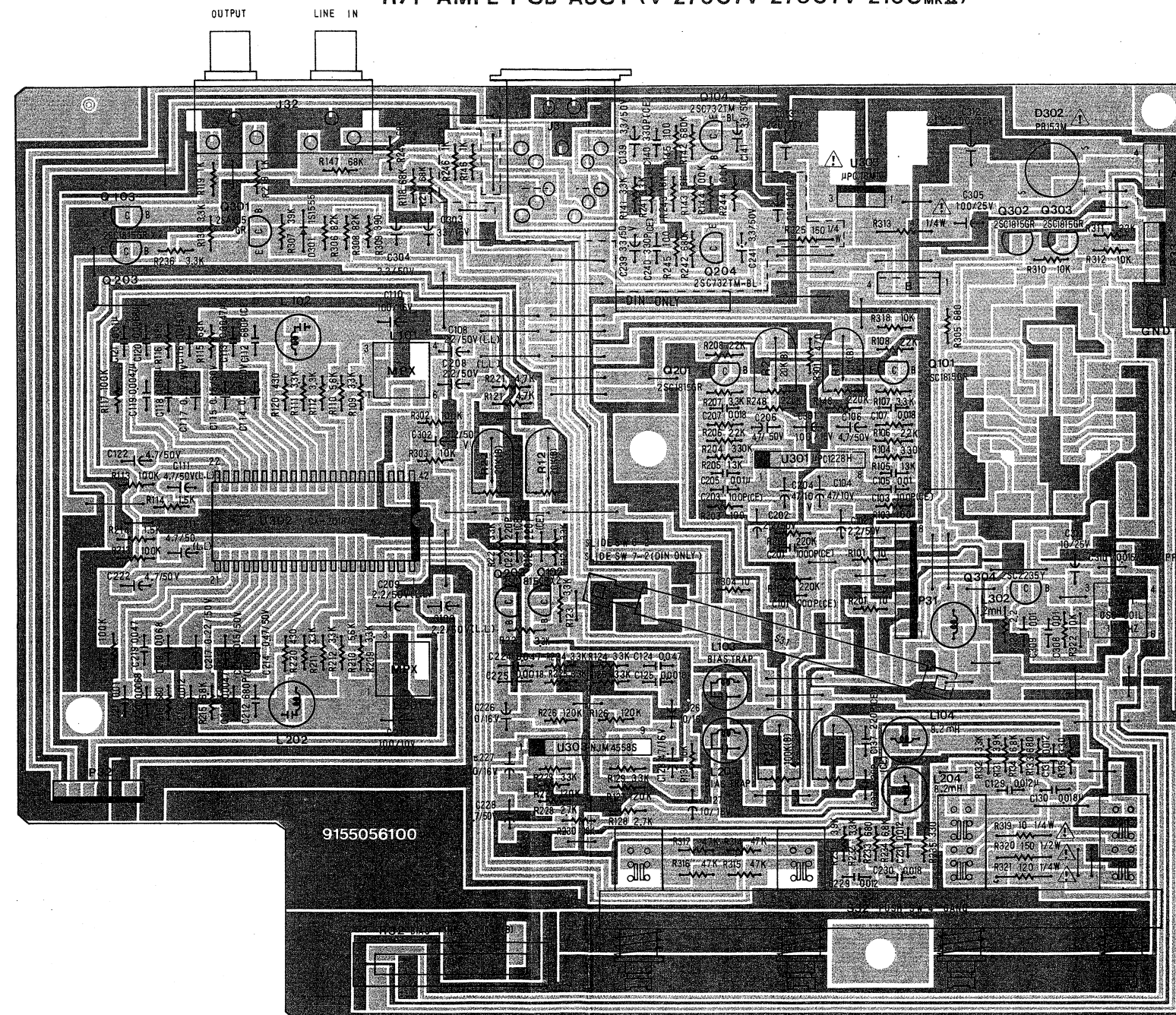
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*9101372102	OWNER'S MANUAL (ENGLISH)	V-270C/V-250
	*9101372201	OWNER'S MANUAL (FRENCH)	V-270C/V-250
	*9101372301	OWNER'S MANUAL (ENGLISH)	V-275C/V-255
	*9101372400	OWNER'S MANUAL (FRENCH)	V-275C/V-255
	*9101372500	OWNER'S MANUAL (6 MULTI)	V-210C _{MK II} /V-200 _{MK II}
	*9101372600	OWNER'S MANUAL (6 MULTI)	V-210C _{MK II} /V-200 _{MK II}
	*9101373302	OWNER'S MANUAL (ENGLISH)	V-285CHX
	*9101373401	OWNER'S MANUAL (5 MULTI)	V-285CHX
	*9101374301	OWNER'S MANUAL (5 MULTI)	V-285CHX
	*9101374000	OWNER'S MANUAL (JAPANESE)	V-285CHX
	*9109025100	CORD, INPUT	

Parts marked with *require longer delivery time.

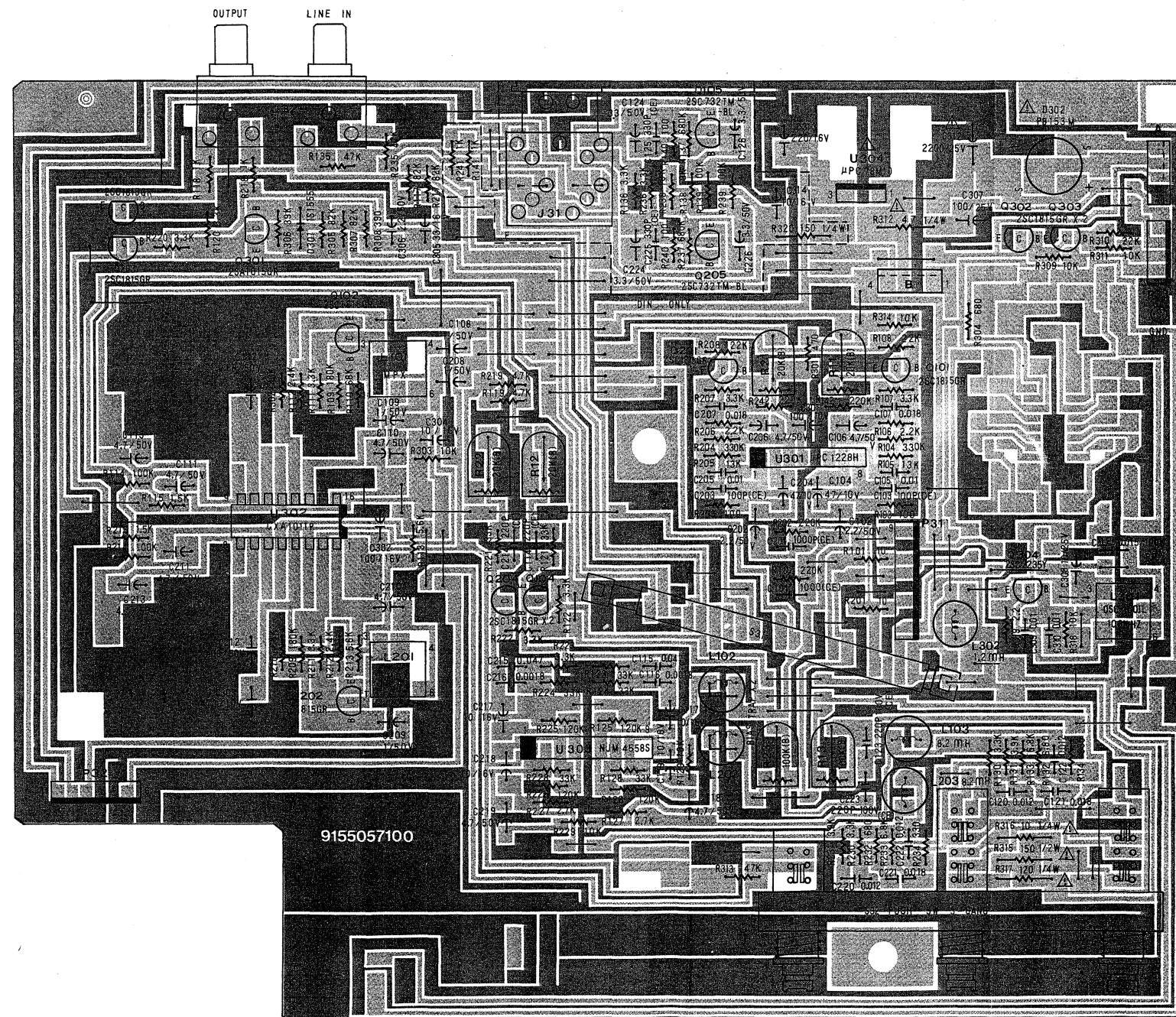
MODELS: 1:V-250 2:V-255 3:V-200_{MK II} 4:V-270C 5:V-275C 6:V-210C_{MK II} 7:V-285CHX
 [US]:USA [E]:EUROPE [UK]:U.K [C]:CANADA
 [A]:AUSTRALIA [GE]:GENERAL EXPORT [J]:JAPAN

V-275C/V-270C/V-255/V-250/V-210C_{mkII}/V-200_{mkII}/V-285CHX

R/P AMPL PCB ASSY (V-270C/V-275C/V-210C_{mkII})



V-275C/V-270C/V-255/V-250/V-210C_{МК II}/V-200_{МК II}/V-285CHX

R/P AMPL PCB ASSY (V-250/V-255/V-200_{МКII})

V-275C/V-270C/V-255/V-250/V-210C_{mk II}/V-200_{mk II}/V-285CHX

R/P PCB ASSY (V-270C/V-275C/V-210C_{mk II})

R/P PCB ASSY (V-250/V-255/V-200_{mk II})

REF.NO.	PARTS NO.	DESCRIPTION
	*9145056101	PCB ASSY, R/P AMP (V-270C/V-275C/V-210C _{mk II}) [EXCEPT E]
	*9145056111	PCB ASSY, R/P AMP (V-210C _{mk II}) [E]
	*9155056100	R/P AMP PCB
U301	9167010400	IC μ PC1228H
U302	5220427000	IC CX-20187
U303	9167012100	IC NJM4558S
U305	△ 9167013100	IC μ PC78M10
Q101 Q201	9163309420	TR, 2SC1815GR
Q102 Q202	9163309420	TR, 2SC1815GR
Q103 Q203	9163309420	TR, 2SC1815GR
Q104 Q204	9163309710	TR, 2SC732TM-BL [E]
Q301	9163309920	TR, 2SA1015GR
Q302-Q303	9163309420	TR, 2SC1815GR
Q304	9163308900	TR, 2SC2235Y
D301	9165020250	DIODE 1S1555
D302	△ 9165021500	DIODE PB153M
R11 R21	9112017000	VR, SEMI-FIXED 20K(B)
R12 R22	9112017000	VR, SEMI-FIXED 20K(B)
R13 R23	9112002000	VR, SEMI-FIXED 100K(B)
R31	9172015500	REC VR 50K(A)*2
R32	9172016300	SLIDE VR 10K(B)
L101 L201	9173002501	LOW PASS FILTER MPX
L102 L202	9173002700	LOW PASS FILTER 19.8KHz
L103 L203	9122017600	BIAS TRAP COIL 100KHz
L104 L204	9122015300	COIL 8.2mH
L301	9173003400	OSC COIL
L302	9122013300	COIL 1.2mH
J31	9140096000	DIN SOCKET [E]
J32	5330506600	4P PIN JACK
S31	9134009100	SLIDE SW 6-2 [EXCEPT E]
	9134009000	SLIDE SW 7-2 [E]
S32	9135029500	PUSH SW 4-GANG
P31	9143176000	CONNECTOR PLUG 8P
P32	9143174000	CONNECTOR PLUG 6P
P33	9143172000	CONNECTOR PLUG 4P
R319	△ 9111016050	C, RESISTOR R-25 JFT 10 OHM
R320	△ 9111353060	C, RESISTOR R-50 FF 150 OHM
R321	△ 9111044050	C, RESISTOR R-25 JFT 120 OHM

REF.NO.	PARTS NO.	DESCRIPTION
	*9145057101	PCB ASSY, R/P AMP (V-250/V-255/V-200 _{mk II}) [EXCEPT E]
	*9145057111	PCB ASSY, R/P AMP (V-200 _{mk II}) [E]
	*9155057100	R/P AMP PCB
U301	9167010400	IC μ PC1228H
U302	9167012700	IC CXA1101P
U303	9167012100	IC NJM4558S
U304	△ 9167013100	IC μ PC78M10
Q101 Q201	9163309420	TR, 2SC1815GR
Q102 Q202	9163309420	TR, 2SC1815GR
Q103 Q203	9163309420	TR, 2SC1815GR
Q104 Q204	9163309220	TR, 2SC1815GR
Q105 Q205	9163309710	TR, 2SC732TM-BL [E]
Q301	9163309920	TR, 2SA1015GR
Q302-Q303	9163309420	TR, 2SC1815GR
Q304	9163308900	TR, 2SC2235Y
D301	9165020250	DIODE 1S1555
D302	△ 9165021500	DIODE PB153M
R11 R21	9112017000	VR, SEMI-FIXED 20K(B)
R12 R22	9112017000	VR, SEMI-FIXED 20K(B)
R13 R23	9112002000	VR, SEMI-FIXED 100K(B)
R32	9172015500	REC VR 50K(A)*2
L101 L201	9173002501	LOW PASS FILTER MPX
L102 L202	9122017600	BIAS TRAP COIL 100KHz
L103 L203	9122015300	COIL 8.2mH
L301	9173003400	OSC COIL
L302	9122013300	COIL 1.2mH
J31	9140096000	DIN SOCKET [E]
J32	5330506600	4P PIN JACK
S31	9134009100	SLIDE SW 6-2 [EXCEPT E]
	9134009000	SLIDE SW 7-2 [E]
S32	9135029500	PUSH SW 4-GANG
P31	9143176000	CONNECTOR PLUG 8P
P32	9143174000	CONNECTOR PLUG 6P
P33	9143172000	CONNECTOR PLUG 4P
R319	△ 9111016050	C, RESISTOR R-25 JFT 10 OHM
R320	△ 9111353060	C, RESISTOR R-50 FF 150 OHM
R321	△ 9111044050	C, RESISTOR R-25 JFT 120 OHM

[US]: U.S.A. [E]: EUROPE [UK]: U.K. [C]: CANADA
[A]: AUSTRALIA [GE]: GENERAL EXPORT [J]: JAPAN

V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

R/P PCB ASSY (V-285CHX)

REF.NO.	PARTS NO.	DESCRIPTION
	*9145055102	PCB ASSY, R/P AMP (V-285CHX) [EXCEPT E]
	*9145055112	PCB ASSY, R/P AMP (V-285CHX) [E]
	*9155055100	R/P AMP PCB
U301	9167010400	IC μ PC1228H
U302	5220427000	IC CX-20187
U303	9167012100	IC NJM4558S
U304	9167012800	IC μ PC1297CA
U305	Δ 9167013100	IC μ PC78M10
Q101 Q201	9163309420	TR, 2SC1815GR
Q102 Q202	9163309420	TR, 2SC1815GR
Q103 Q203	9163309420	TR, 2SC1815GR
Q104 Q204	9163309720	TR, 2SC732TM-BL [E]
Q301	9163309920	TR, 2SA1015GR
Q302-Q303	9163309420	TR, 2SC1815GR
Q304	9163308900	TR, 2SC2235Y
D301	9165020250	DIODE 1S1555
D302	Δ 9165021500	DIODE PB153M
R11 R21	9112017000	VR, SEMI-FIXED 20K(B)
R12 R22	9112017000	VR, SEMI-FIXED 20K(B)
R13 R23	9112017000	VR, SEMI-FIXED 20K(B)
R31	9172015500	REC VR 50K(A)*2
R32	9172016300	SLIDE VR 10K(B)
L101 L201	9173002501	LOW PASS FILTER MPX
L102 L202	9173002700	LOW PASS FILTER 19.8KHz
L103 L203	9122017600	BIAS TRAP COIL 100KHz
L104 L204	9122015300	COIL 8.2mH
L105 L205	9122018400	STEP UP COIL
L301	9173003400	OSC COIL
L302	9122013300	COIL 1.2mH
J31	9140096000	DIN SOCKET [E]
J32	5330506600	4P PIN JACK
S31	9134009100	SLIDE SW 6-2 [EXCEPT E]
	9134009000	SLIDE SW 7-2 [E]
S32	9135029500	PUSH SW 4-GANG
P31	9143176000	CONNECTOR PLUG 8P
P32	9143174000	CONNECTOR PLUG 6P
P33	9143172000	CONNECTOR PLUG 4P

[US]: U.S.A.
[A]: AUSTRALIA

[E]: EUROPE
[GE]: GENERAL EXPORT

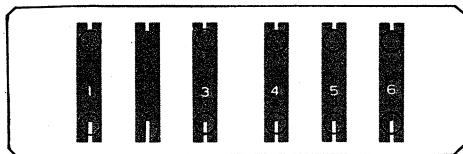
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[J]: JAPAN

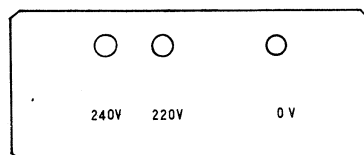
V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

7 PC BOARDS AND PARTS LIST

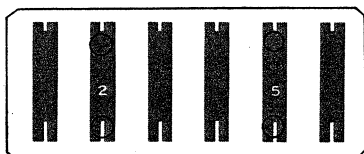
TRANS PCB A



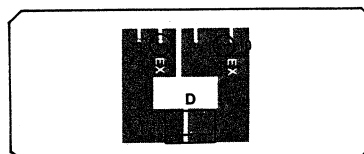
TRANS PCB B



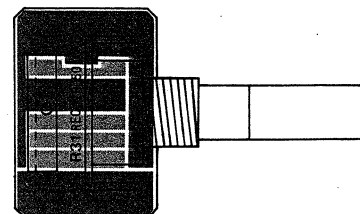
TRANS PCB C



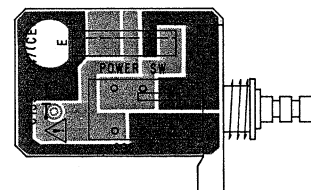
TRANS PCB D



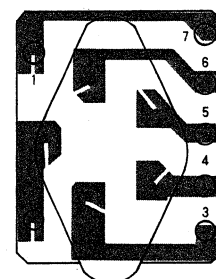
REC VR PCB ASSY



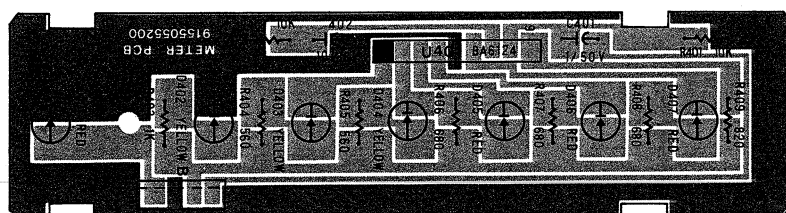
POWER SW PCB ASSY



VOLTAGE SELECTOR PCB ASSY



METER PCB ASSY



V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

METER PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145055201	PCB ASSY, METER
	*9155055200	METER PCB
U401	9167010800	IC BA6124
D401	9174011520	LED (RED) LTL-5124
D402-D404	9174012020	LED (YEL) LTL-307YE-021
D405-D407	9174011520	LED (RED) LTL-5124

SELECTOR SW PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145055500	PCB ASSY, SELECTOR SW
	*9155055500	SELECTOR SW PCB
	Δ 5332019700	VOLTAGE SELECTOR SW

REC VR PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145055300	PCB ASSY, REC VR
	*9155055300	REC VR PCB
R32	9172015500	REC VR 50K(A)*2

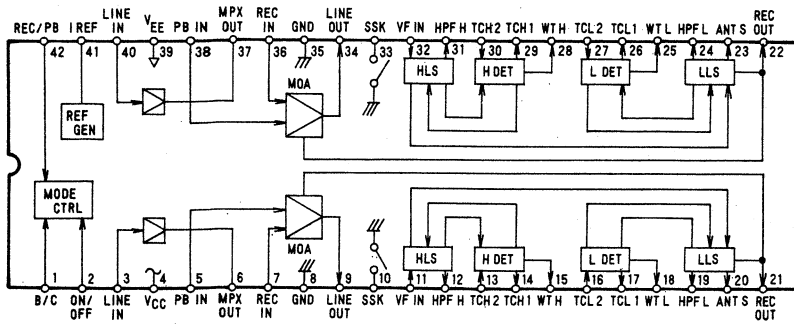
POWER SW PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145055401	PCB ASSY, POWER SW
	*9155055401	POWER SW PCB
S33	Δ 9135029300	POWER SWITCH
C315	Δ 9115823120	C, CERAMIC 0.047u 50VK (YF)

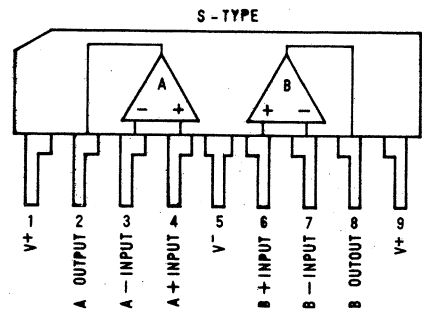
V-275C/V-270C/V-255/V-250/V-210C_{MKII}/V-200_{MKII}/V-285CHX

IC BLOCK DIAGRAM

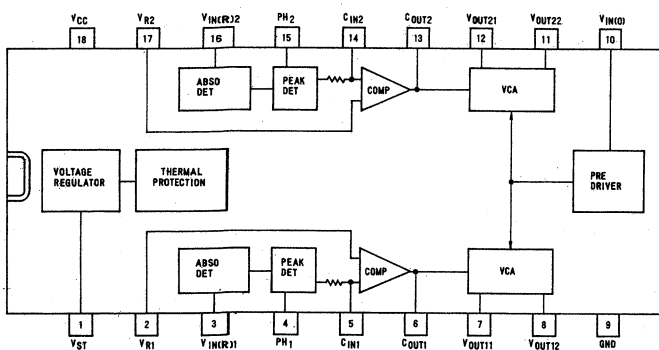
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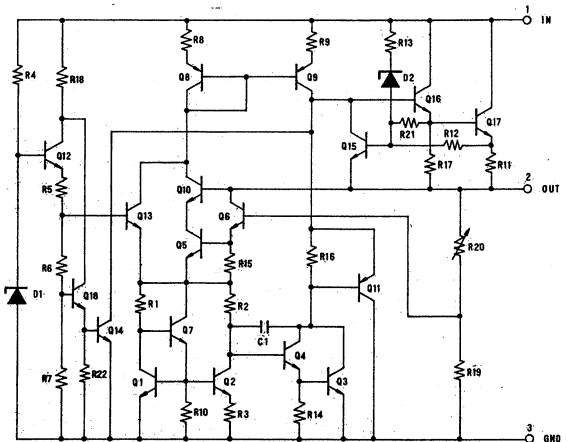
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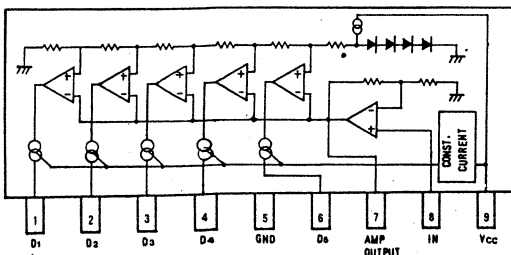
μPC1297CA



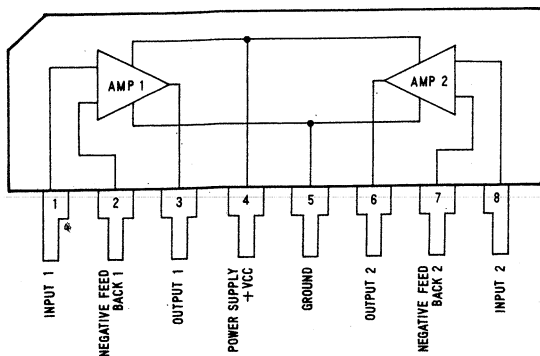
μPC78M10



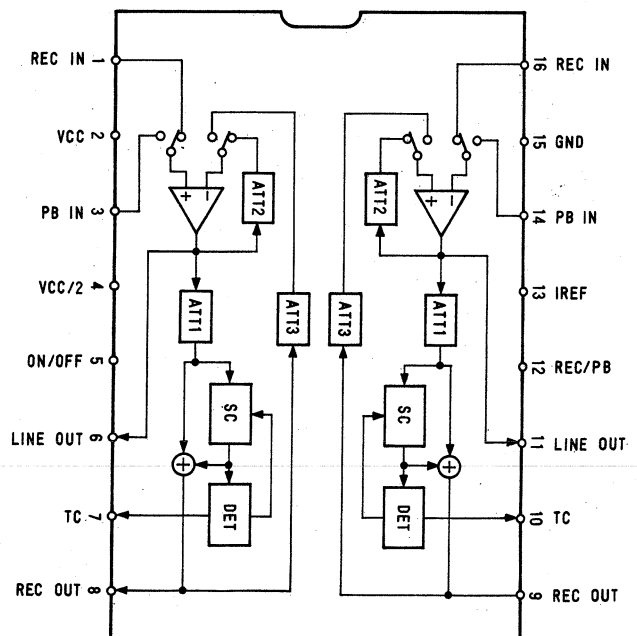
BA6124



μPC1228H



CXA1101P



V-275C/V-270C/V-255/V-250
V-210C_{mkII}/V-200_{mkII}
V-285CHX

TEAC[®]

TEAC CORPORATION

TEAC CORPORATION OF AMERICA

TEAC CANADA LTD.

TEAC AUSTRALIA PTY., LTD.

MAIN OFFICE: 3-7-3 NAKACHO MUSASHINO TOKYO PHONE (0422) 53-1111
SALES OFFICE: 4-15-30 SHIMORENJAKU MITAKA TOKYO PHONE (0422) 45-7741

7733 TELEGRAPH ROAD MONTEBELLO CALIFORNIA 90640 PHONE (213) 726-0303

3610 NASHUA DRIVE UNIT 1 & 2 MISSISSAUGA ONTARIO L4V 1L2 PHONE 416-673-3303

115 WHITEMAN STREET SOUTH MELBOURNE VICTORIA 3205 PHONE 699-6000

TEAC SCHEMATIC DIAGRAM V-270C/V-275C/V-210C MK II

A

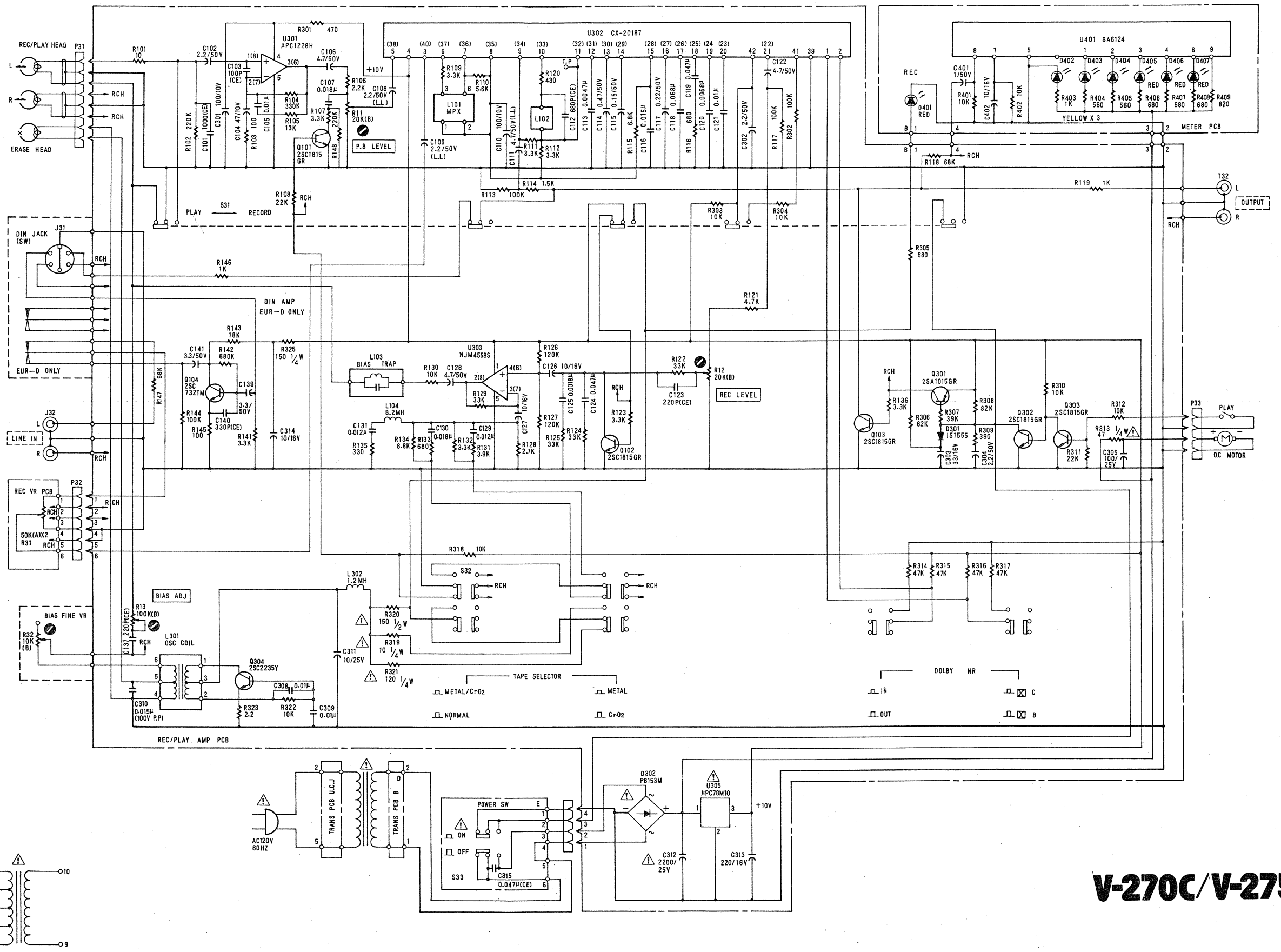
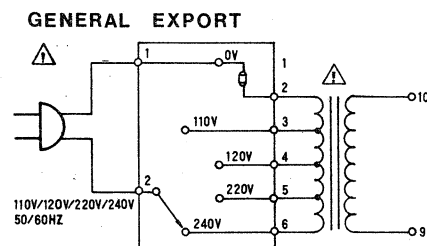
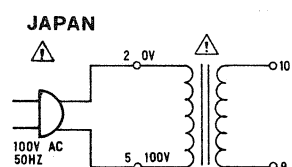
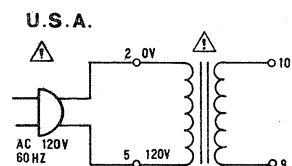
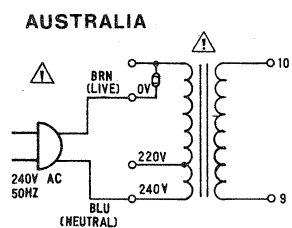
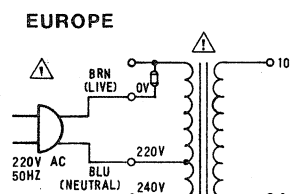
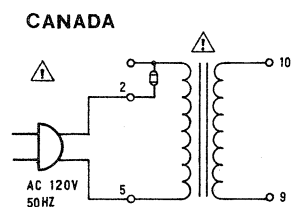
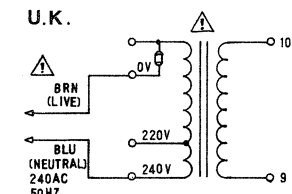
B

C

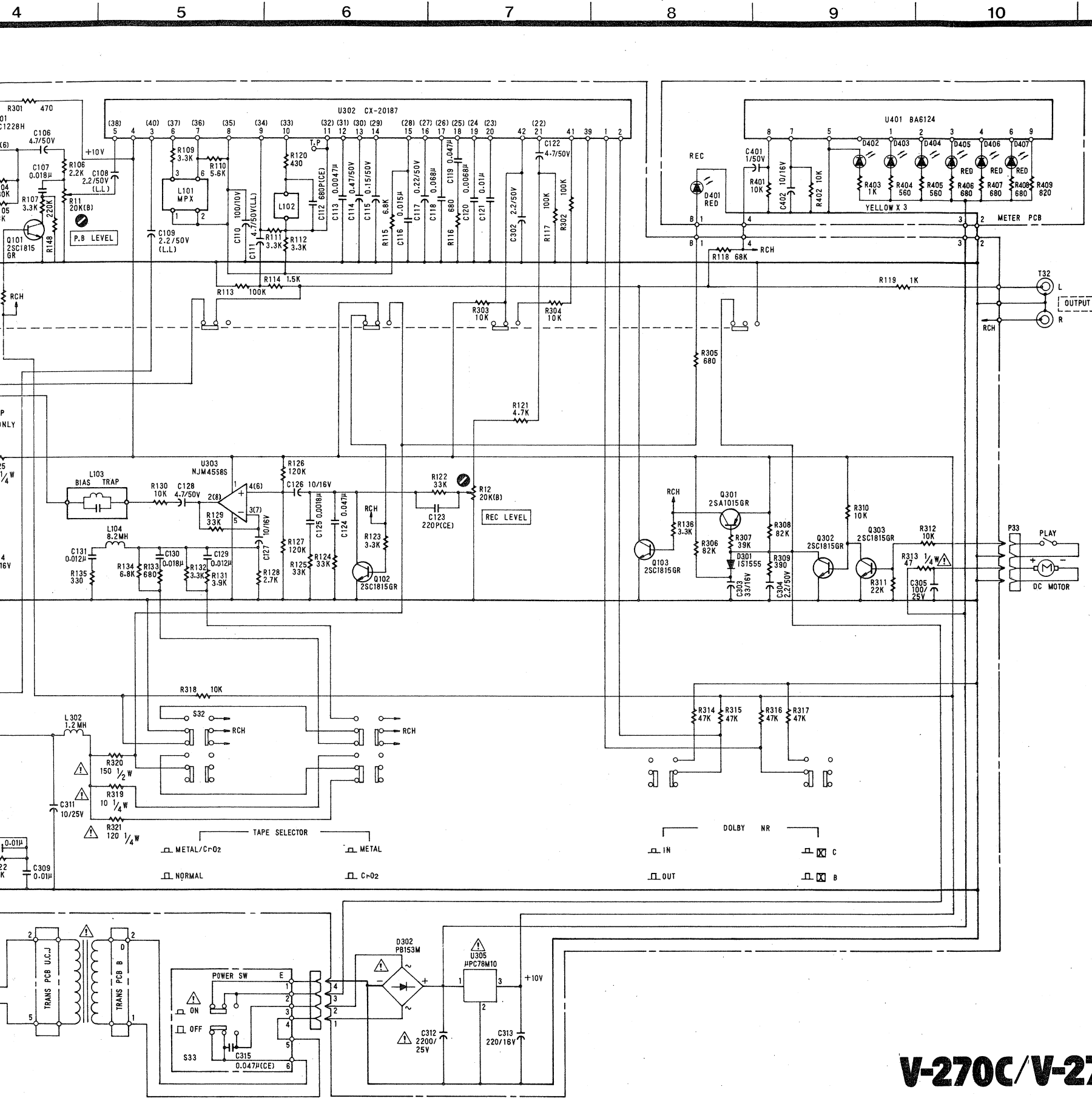
D

E

F



V-270C/V-275



INSTRUCTIONS FOR SERVICE PERSONNEL
 BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

- NOTES**
1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
 2. Capacitor values are in microfarads (p=picofarads).
 3. Voltage and signal level values are for reference only.
0dB=0.775V
 4. : Front panel indication
 5. : Rear panel indication
 6. Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

TEAC SCHEMATIC DIAGRAM V-250/V-255/V-200MKII

A

B

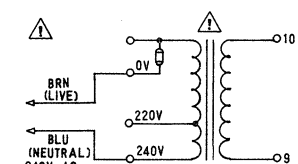
C

D

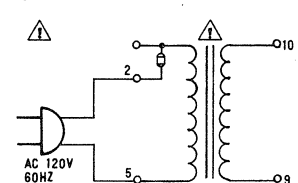
E

F

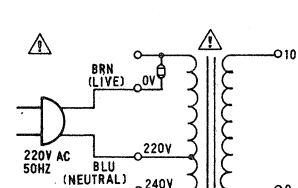
U.K.



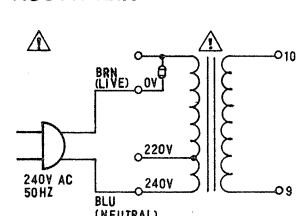
CANADA



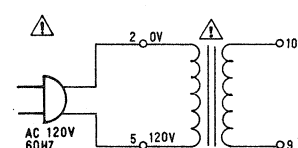
EUROPE



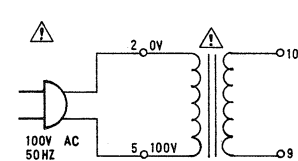
AUSTRALIA



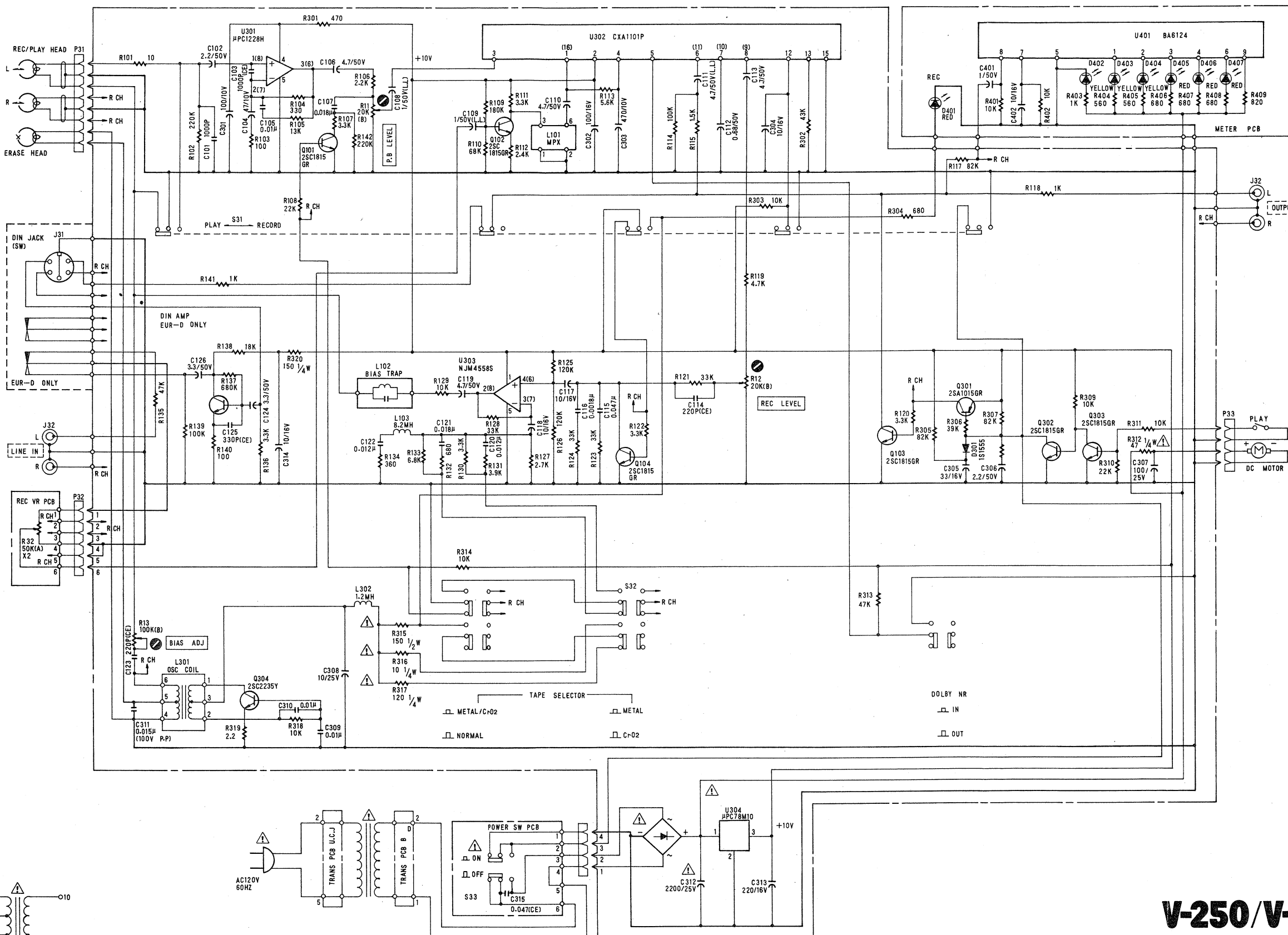
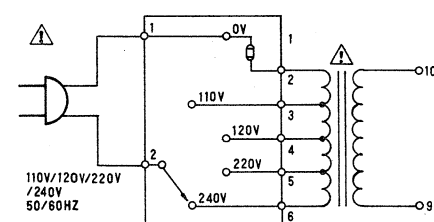
U.S.A.



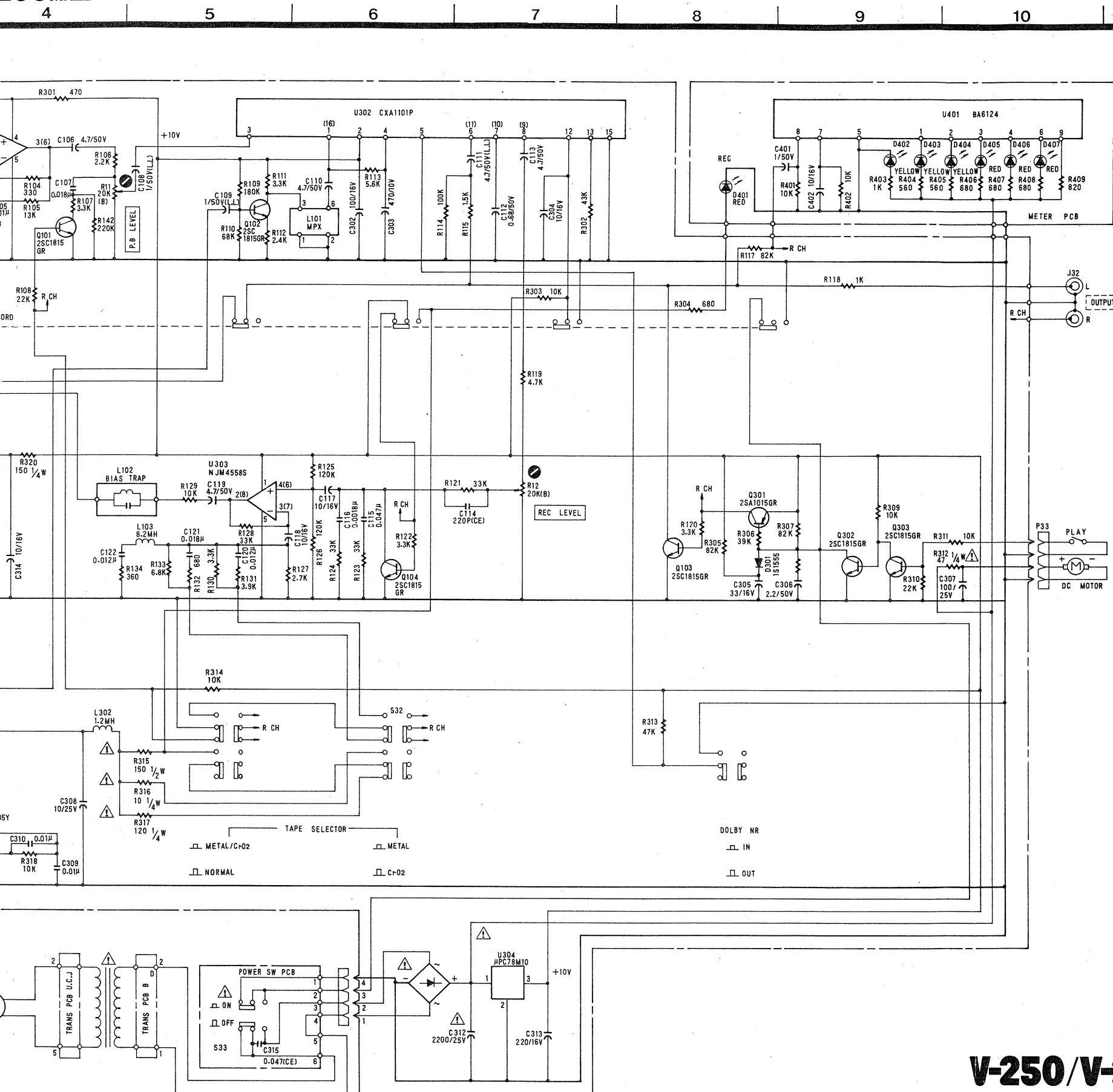
JAPAN



GENERAL EXPORT



V-250/V-25



V-250/V-255/V-200MKII

Stereo Double Cassette Deck

1st Issue;

TEAC SCHEMATIC DIAGRAM V-285CHX

U.K.

CANADA

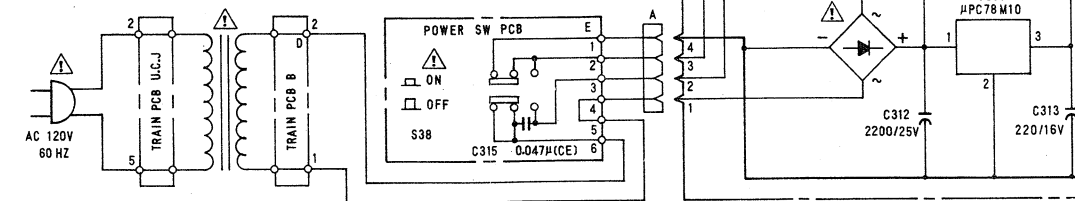
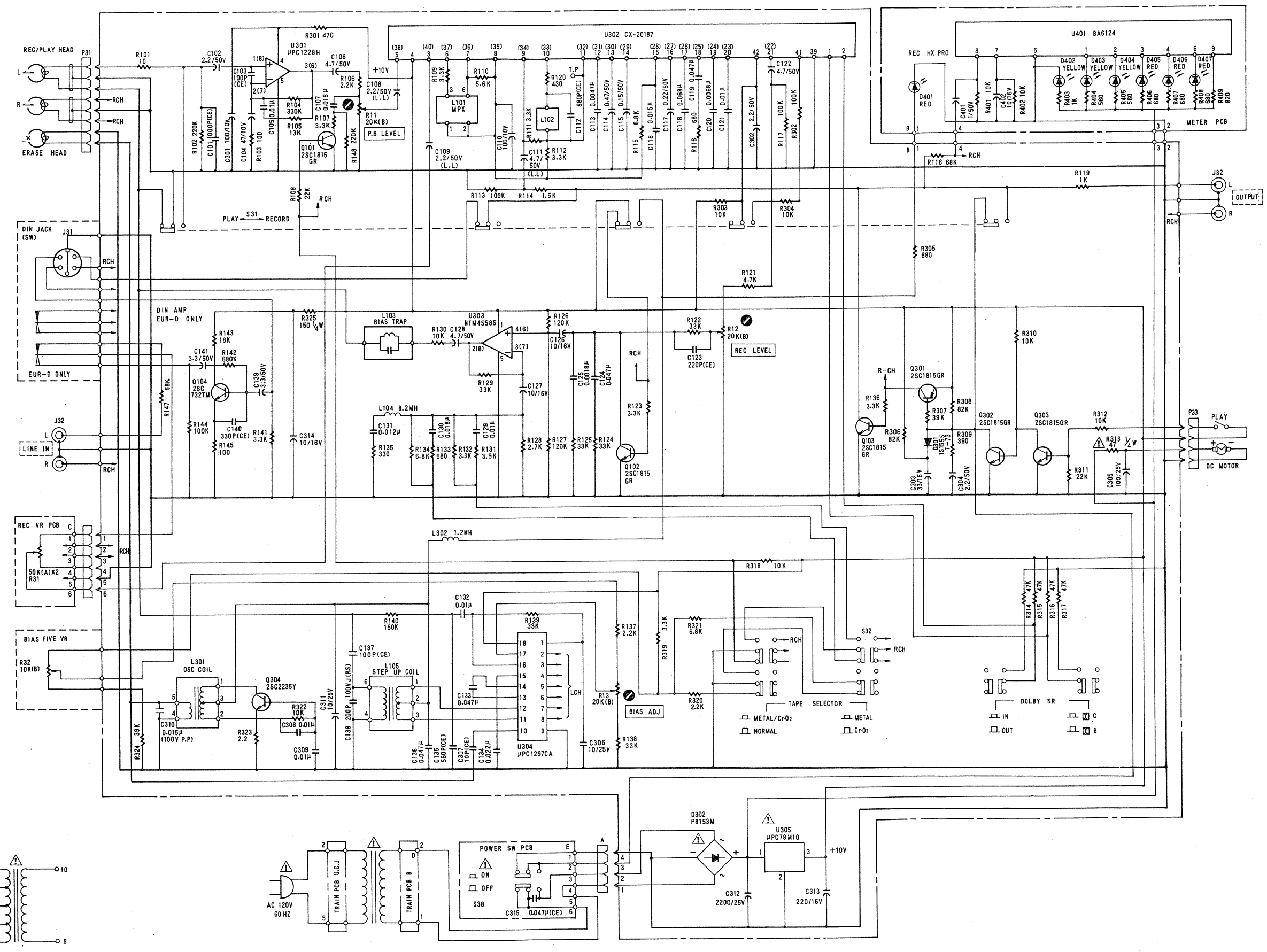
EUROPE

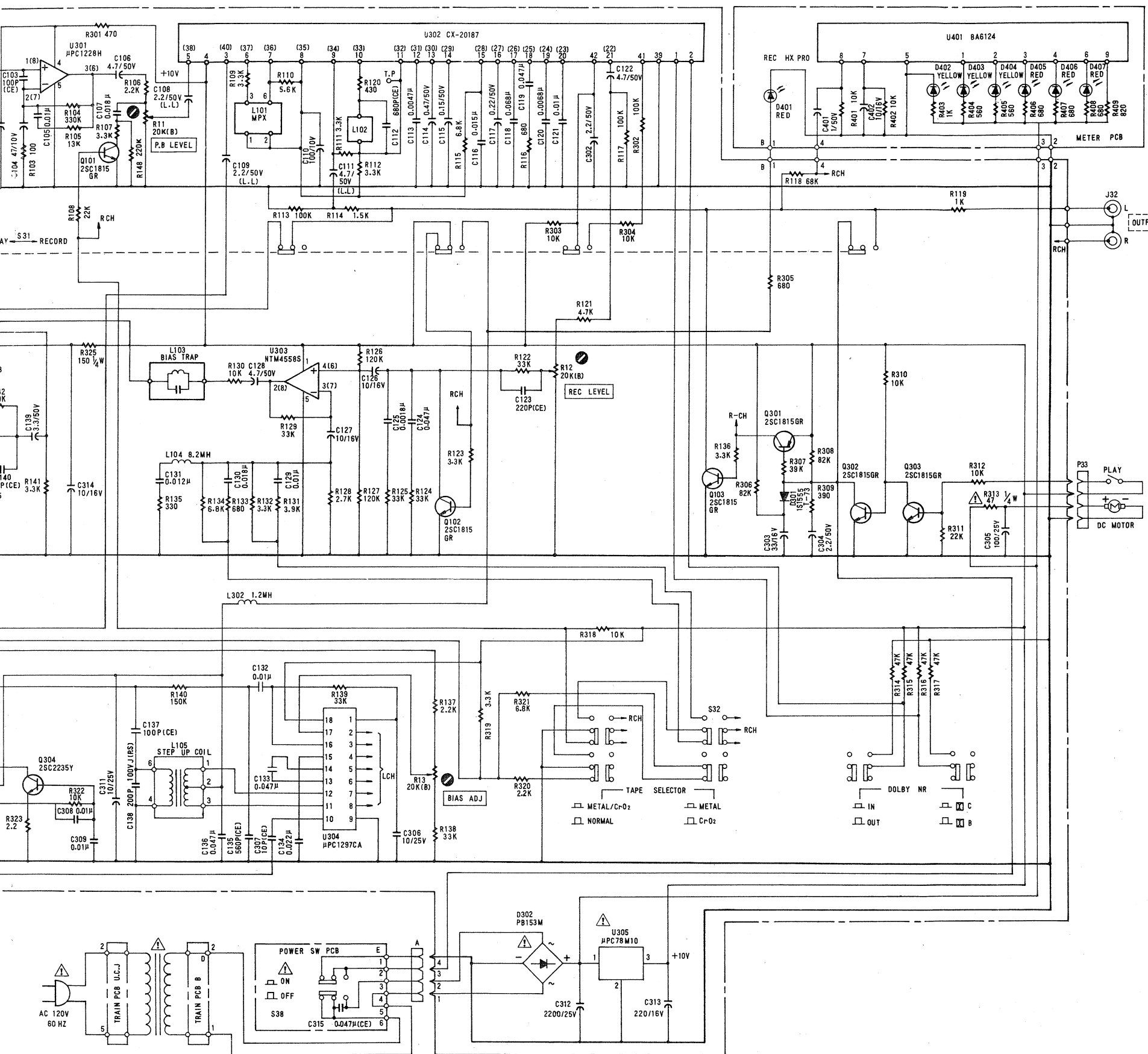
AUSTRALIA

U.S.A.

JAPAN

GENERAL EXPORT





INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. Voltage and signal level values are for reference only.
0dB=0.775V
4. : Front panel indication
5. : Rear panel indication
6. Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

V-285CHX

Stereo Double Cassette Deck

1st Issue;